



October 28, 1991

Ms. Barbara J. Pope
Southwestern Refining Company, Inc.
P.O. Box 9217
Corpus Christi, Texas 78469

Dear Ms. Pope:

Enclosed is written confirmation of the analytical results for the (2) bulk samples delivered to our lab on Monday, October 28, 1991.

The sample analyses were performed at our lab with a Nikon Labophot-Pol microscope. Standard oil immersion and optical staining techniques were used for asbestos identification. The Interim Method for the Determination of Asbestos in Bulk Samples (40 CFR Part 763, Appendix A, Subpart F) was used. Envirotest, Inc. is a National Institute of Standards and Technology NVLAP-accredited laboratory (#1595) for asbestos analysis.

The following analytical results pertain only to the samples analyzed. Envirotest, Inc. assumes no responsibility for whether the samples accurately represent the material in question nor for any subsequent use or interpretation of these analytical results.

If you have any questions regarding the sample analyses, please call. We appreciate the opportunity to be of service to you.

Sincerely,

Stuart C. Williams, Ph. D.
Chief Executive Officer
Envirotest, Inc.

SCW:111

Envirotest, Inc. Laboratory Bulk Sample Analysis Report

SAMPLE NUMBER	LAB #	SAMPLE DESCRIPTION	PERCENT ASBESTOS			NON-ASBESTOS
			CHRYSTOLITE	AMOSITE	CROCIDOLITE	OTHER
91176	E-21340	GR FIB PWDR		30-35		
91177	E-21341	GR FIB PWDR		25-30		
Analysts Signature: <i>[Signature]</i>			Date: <i>10-28-91</i>			

NOTE: Percents given are of total sample.
 ABBREVIATIONS: ACT = actinolite; AL = aluminum; ANTH = anthophyllite; BLK = black; BL = blue; BRN = brown; CPT = carpet; CTL = ceiling tile; C = cellulose; CEM = cement; CO = cork; CORR = corrugated; COV = cover; DEB = debris; FG = fiberglass; FIB = fibrous; FTL = floor tile; FRAG = fragment; FO = foam; FURR = furrowed; GRAN = granular; GR = grey; GRN = green; HD = hard; INS = insulation; IRR = irregular; MAS = mastic; MAT = material; MIC = micaceous; ORG = orange; PAL = paint; PAP = paper; PERF = perforated; PL = plaster; PLAS = plastic; PWDR = powder; RUB = rubber; SYN = synthetic; TR = trace; TRAN = transite; TREM = tremolite; VERM = vermiculite; WH = white; WR = wrap; YEL = yellow.

Envirotest, Inc.'s liability, if any, for the results indicated herein is specifically limited to the cost of this report, all warranties whether expressed or implied being specifically disclaimed.

10400 WESTOFFICE DRIVE, SUITE 110, HOUSTON, TEXAS 77042 713/782-4101

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INSTRUCTIONS: Originator attaches Part 2 to laboratory results and forwards to Medical Services.

ID/SAMPLE NO.	11933
DATE	10/25/91

INDUSTRIAL HYGIENE SURVEY DATA - AIR MONITORING KM-4293-A

FACILITY	Southwestern - KMRC	WORK LOCATION	Area F - Aiky heater
EMPLOYEE NAME (LAST, FIRST)	Bulk - Asbestos	EMPLOYEE NUMBER	
JOB TITLE		SURVEYOR	B. Reed

TYPE OF PERSONAL PROTECTIVE EQUIPMENT	RESPIRATOR	SAMPLING CONDITIONS	TEMPERATURE	°F	CALIBRATION RECORD	PUMP MANUFACTURER/S.N.
	BOOY		RELATIVE HUMIDITY	%		PRE FLOW RATE
	GLOVES		BAROMETRIC PRESSURE	"Hg		POST FLOW RATE
	OTHER		AIR VELOCITY	fpm mph		DIFFERENCE FLOW

SAMPLING DATA	Lab Sample Number				
	I.D. Number	91176	91177		
	Time On	Bulk	Bulk		
	Time Off				
	Total Time (min.)				TOTAL TIME
	Flow Rate (LPM)				
	Sample Media	Bulk	Bulk		
	Volume (Liters)				TOTAL VOLUME
	Net Sample Wt.				

LABORATORY RESULTS	1.	Asbestos	30-35% Amosite	25-30% Amosite	
	2.	Fiberglass	1-3%		
	3.	Cellulose	"	1-2%	
	4.				
	5.				
	6.				

FOR MEDICAL SERVICES USE ONLY	SAMPLE ANALYSIS	SUBSTANCE	TWA (Time)	TWA 8(hr)	UNITS	AUTHORITY	STND. NO.	SEVERITY	ANALYTICAL METHOD
		1.							
		2.							
		3.							
		4.							
		5.							
		6.							

LABORATORY USED: Envirotest, Inc. 10400 West Office Drive, Suite 110 Houston, TX 77042

(WORK ACTIVITIES, OPERATION, LOCATION, VENTILATION, CONTROLS)

91176 - West side of Aiky heater (North-line)

91177 - West side of Aiky heater (South-line)

REVIEWED BY	DATE	BLANKS (No.)	
		BULKS (No.)	

COMMENTS